

## ABSTRACT

The invention provides statistical methods for identifying measurements that can be used to generate variables that are associated with clinical outcomes of treatment regimens 5 for disease. The invention also provides methods for using such measurements to monitor the effectiveness of an ongoing disease treatment regimen, databases which contain information about measurements and variables and their relationships to clinical outcomes, and pharmaceutical products which incorporate instructions on the use of the methods and databases of the invention. The invention provides a specific application of these methods 10 and products to the treatment of ocular diseases, particularly macular edema, in particular for the treatment of macular edema with implantable devices and compositions that provide sustained release of corticosteroids.